



Attorney Docket No. BKA-22402/01

#6B

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Andrew McKaig

Serial No.: 09/827,053

Group Art Unit: 3753

Filed: April 5, 2001

Examiner: Gerald A. Michalsky

For: GAS ASSIST MOLD DUMP VALVE

**RECEIVED**

OCT 29 2002

TECHNOLOGY CENTER R3700

**AMENDMENT**

Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

In response to the Office Action mailed April 24, 2002, please amend the application as follows:

**IN THE CLAIMS:**

Please amend claim 4 and 6 as follows:

- 1 Sub C.1
- 2 4. (Amended) A gas assist mold dump valve positioned between a gas
- 3 controller and a mold cavity, said valve comprising:
- 4 a regulator body having an inlet in fluid communication with a gas controller,
- 5 an outlet in fluid communication with a mold cavity, a vent and a piston mounted for
- 6 reciprocal movement between a first position wherein said vent is closed and a second
- 7 position wherein said vent is open, said piston being balanced such that it has a
- 8 greater than one to one dome to seat ratio; and
- 9 a check valve disposed between and in fluid communication with said inlet
- 10 and said outlet of said regulator body having an open position that permits a fluid to
- 11 flow from said inlet to said outlet and a closed position that prohibits the flow of a
- fluid from said outlet to said inlet.